Metrologic®

IS3480 Quantum™*E* is a compact, omnidirectional bar code scanner ideal for integration with Original Equipment Manufacturer (OEM) devices.

Sunrise 2005 Compliant

IS3480 Quantum™*E*

Features

- ***Fully automatic scanning operation***
- ***Easy mounting integration with a unique profile and dual set of mounting holes***
- ***Small form factor***
- ***Auxiliary connection for external I/O***
- ***Sweet-spot mode for ideal mounting location***
- ***Single-line mode***
- ***Flash upgradeable firmware***
- ***User-replaceable, single cable interface to host***
- ***OPOS and JPOS system compatible***

Metrologic's **Quantum *E*** is a combination omni-directional and single-line laser bar code scanner. The omnidirectional scan pattern offers outstanding scan performance on all standard 1D bar code symbologies, including RSS. The button-activated single line mode aids in scanning items that contain multiple bar codes or when selecting bar codes from menu-style price sheets.

Quantum *E* is designed for integration with a variety of applications including interactive kiosks, price lookup systems, ATMs, reverse vending machines, controlled access, or a host of other Original Equipment Manufacturer (OEM) devices. The scanner's main cable connector is located at the top of the unit to facilitate mounting and the auxiliary connector gives users access to several of the I/O signals, providing the flexibility for external hookup of the beeper, button and LEDs. The unique shape of the Quantum *E* allows the unit to be mounted in slim profile systems, such as a flat screen monitor, and long scan lines provide scanning at the face. In addition, Quantum *E* features a sweet-spot mode that gives an integrator the ability to determine the best mounting location for optimum scanning in a fixed application. Most importantly, the IS3480 is equipped with powerful and cost saving features such as easy programming, user replaceable cables and upgradeable software that keeps your investment updated with the latest scanning technology.

IS3480 Quantum™E

OPERATIONAL

Light Source	Visible Laser Diode 650 nm
Laser Power	1.1 mW (peak)
Depth of Scan Field (programmable)	25 mm - 279 mm (1" - 11") for 0.33 mm (13 mil) bar code at default setting
Width of Scan Field	38 mm (1.5") @ 25 mm (1"); 153 mm (6") @ 279 mm (11")
Scan Speed	1650 scan lines per second
Scan Pattern	5 fields of 4 parallel lines, omnidirectional; or button activated single line
Number of Scan Lines	20 (omnidirectional); or 1 (single-line)
Minimum Bar Width	0.127 mm (5.0 mil)
Decode Capability	Autodiscriminates all standard 1D bar codes, including RSS-Expanded, RSS-14 and RSS-14 Limited; for other symbologies call Metrologic
System Interfaces	RS232, Light Pen Emulation, Keyboard Wedge, Stand Alone Keyboard, IBM 468x/469x, USB (low speed and full speed), Laser Emulation, OCIA
Print Contrast	35% minimum reflectance difference
Number Characters Read	Up to 80 data characters
Roll, Pitch, Yaw	360°, 60°, 60°
Beeper Operation	7 tones or no beep
Indicators	Blue = laser on, ready to scan; White = good read

MECHANICAL

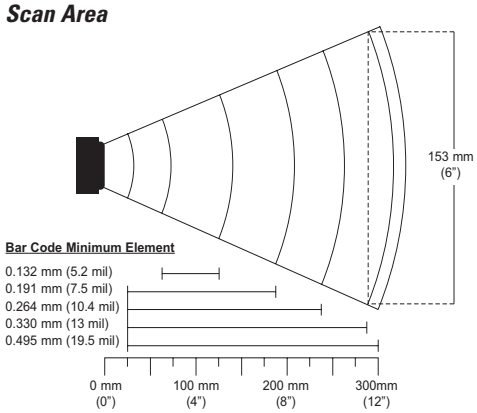
Length	50 mm (1.97")
Width	63 mm (2.48")
Height	68 mm (2.68")
Weight	170 g (6.0 oz)
Termination	10 position modular RJ45 connector
Cable	Standard 2.1 m (7') straight; optional 2.7 m (9') coiled; For other cables call Metrologic
Mounting Holes	Five - M2.5 x 0.45 threaded inserts, 4 mm (0.16") maximum depth

ELECTRICAL

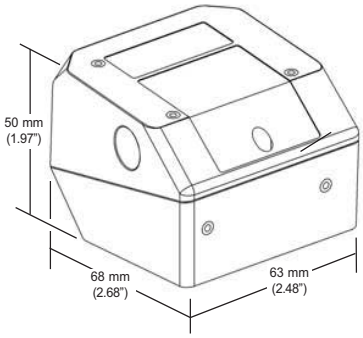
Input Voltage	5 VDC + 0.25 V
Power	1.375 W
Operating Current	275 mA typical @ 5 VDC
DC Transformers	Class 2; 5.2 VDC @ 650 mA
Laser Class	Class 1; IEC60825-1:1993/A1:1997+A2:2001 Class 1; EN60825-1:1994/A11:1996+A2:2001
EMC	FCC, ICES-003 & EN55022 Class A

Operating	-20°C to 40°C (-4°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Light Levels	Up to 4842 Lux (450 footcandles)
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required

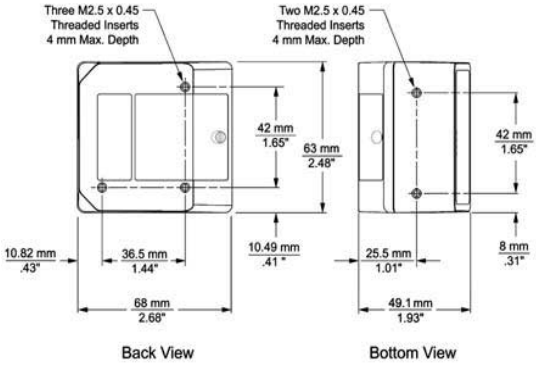
Scan Area



Dimensions



Mounting Holes



Errors & Omissions Excepted.
Specifications subject to change without notice.
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USB B UNIVERSAL SERIAL BUS

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CLASS 1 LASER PRODUCT
APPAREIL A LASER DE CLASSE 1
LASER KLASSE 1 PRODUCT
LASER CLASE 1 PRODUCTO

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